

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

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WYW 165139-01

MINERAL REPORT

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MINERAL POTENTIAL REPORT
FOR
R&PP SALE APPLICATION
WASHAKIE COUNTY
SEPTAGE DISPOSAL SYSTEM

WYW 165139-01
(Title)

LANDS INVOLVED

Washakie County
T.47 N., R. 92 W., 6th P.M., WY
Section 22: SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$
(15 acres)

Prepared By:

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2/15/2010
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2-19-2010
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EXHIBIT F
w-165139

**MINERAL POTENTIAL REPORT
FOR
RECREATION AND PUBLIC PURPOSES SALE APPLICATION
WASHAKIE COUNTY
SEPTAGE DISPOSAL SYSTEM
WYW 165139-01**

I. INTRODUCTION

Washakie County has applied to the Bureau of Land Management (BLM) for a Recreation and Public Purposes (R&PP) sale of public lands for the purpose of constructing and maintaining a septage disposal system. The septage system would consist of a receiving and treatment facility needed to accommodate household domestic septage and biosolids from municipal wastewater treatment plants. The county presently does not have such a facility for the disposal of such materials. The facility is being designed to treat solid waste materials to a level of dry solids to be acceptable as useful fertilizer. The facility would utilize approximately 15 acres of public land and a chain link fence would be constructed around the facility. About 1,200 linear feet of access would be constructed from the existing access road into the facility. The road would be 20 feet wide and graveled.

The proposed R&PP sale is consistent with the Washakie Resource Area Land Use Plan and the application has been submitted accordance with the regulations at 43 CFR 2740.

The proposed R&PP sale parcel was examined by the author on November 12, 2009. The conclusions and recommendations of this report are limited to the actions prompting the report and should not be used for any other purpose.

II. LANDS INVOLVED

A. Legal Description. The proposed R&PP sale application includes the following public land:

T. 47 N., R. 92 W., 6th PM, WY
Sec. 22: SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ (15 acres)

B. Status Record Data. The surface and mineral estates of the land described above are public lands under the management jurisdiction of the Bureau of Land Management, Worland Field Office. The MTP (Master Title Plat) for T. 47 N., R. 92 W., shows two rights-of-way (WYW 84696 and WYW 156294, 12.5 ft. ea.) for a electrical power line traversing a small segment of the proposed sale in the northern part of SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, and a storage yard and shop (WYW 159545) is located in the S $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 22 (refer to Attachment 2). The power line supplies electrical power to the oil field located to the east of the subject land

and the storage yard is used for storage of producing well tubing and other oil field equipment. A search of the BLM's mining claim records shows the land is free of encumbering claims.

The E½, Sec. 22 is within the South Frisby Field, Known Geologic Structure. The proposed R&PP sale acreage is leased for oil and gas. The oil and gas lease, number WYW 006494, issued September 21, 1977, covers SE¼NE¼, Section 22. The lease is held by Whiting Oil and Gas Corporation of Denver, CO. The closest well to the proposed sale area is currently shut in. This well is located in SW¼NW¼, Sec. 23, T. 47 N., R. 92 W., and is held under lease WYW 060947 (See Attachment 3, Oil and Gas Plat).

III. SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

This report has been written for the purpose of determining the potential for leasable, locatable and saleable mineral resources of public lands proposed for an R&PP sale. The rating potential for the occurrence of mineral resources is based on the BLM Manual 3031- Energy and Mineral Resources Assessment (See Appendix). Based on a field investigation and a review of available geologic and mineral resource data, the author has reached the following conclusions:

A. The potential for the occurrence of leasable minerals of oil and gas has been rated L/C – the geologic environment and inferred geologic processes indicate a low potential for the accumulation of hydrocarbon resources as the available data provide direct evidence but are quantitatively minimal to support or refute the possible existence of hydrocarbons. There is no known potential for other leasable mineral resources, to include geothermal.

B. The potential for the occurrence of both locatable and saleable mineral resources has been rated O/D – the geologic environment, the inferred geologic processes, and the lack of mineral occurrences do not indicate potential for the accumulation of these resources. The available geologic data provides abundant direct evidence to refute the existence of these resources.

The land is leased for oil and gas resources. The wells within the nearby South Frisby field are on a 40 acre spacing order. The closest well to the subject land is presently shut in. Should an exploration well be drilled on the existing oil and gas lease covering the proposed R&PP sale parcel, it would likely be drilled within the center of a 40 acre tract and would be outside the proposed R&PP sale parcel boundary. Thus there unlikely would be any surface interference with exploration should the septage disposal system be developed as planned.

Based in the above mineral potential rating and the likelihood of no surface interference with exploration and development of the existing oil and gas lease, the author concludes that the R&PP sale application be approved.